

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims:

1. (Currently Amended) A recording apparatus for recording first video data and data which time-sequentially corresponds to said first video data onto a disc-shaped recording medium, comprising:

a detecting device for detecting a change in format of at least one of the first video data, which is continuously supplied, and the data which is supplied to time-sequentially correspond to the first video data,

a control unit for recording, wherein when the detecting device detects a change in format is detected in at least one of the first video data which is continuously supplied and the data which is supplied so as to time-sequentially correspond to said first video data, each of said first video data and said data which is supplied so as to time-sequentially correspond to said first video data is divided at a position corresponding to said change and recorded onto said disc-shaped recording medium- medium,

wherein, when a change in format is detected during recording the first video data or the data which is supplied to time-sequentially correspond to the said first video data, a new directory is formed and recording of the data in the changed format is recorded in a file the newly formed directory, and

wherein mixture of different formats among the directories is permitted but the mixture of the different formats in the files stored in the new directory is not permitted.

2. (Currently Amended) A recording apparatus according to claim 1, wherein the data which time-sequentially corresponds to said first video data is at least second video data, the second data being which is the data based on said first video data and whose having a transmission rate is lower than that of said first video data.

3. (Currently Amended) A recording apparatus according to claim 2, wherein when said second video data is arranged with a group of pictures as a unit of random access of said second video data, division is executed at a boundary position of ~~a~~ the unit in which random access of said second video data can be performed.

4. (Currently Amended) A recording apparatus according to claim 2, wherein in the case where when said second video data is arranged with a plurality of frames as a unit of random access of said second video data, ~~unit of said second video data comprises a plurality of frames and~~ said dividing position does not coincide with the boundary of said unit of random access ~~unit~~, said boundary is forcedly made coincident with said dividing position.

5. (Original) A recording apparatus according to claim 1, wherein the data which time-sequentially corresponds to said first video data is at least audio data.

6. (Original) A recording apparatus according to claim 5, wherein said audio data is audio data which has been encoded by linear PCM or audio data which has been encoded by an encoding system other than linear PCM data, and said format change is a change between

the audio data encoded by said linear PCM and the audio data encoded by the encoding system other than said linear PCM.

7. (Original) A recording apparatus according to claim 1, wherein the data which time-sequentially corresponds to said first video data is at least meta data corresponding to said first video data.

8. (Original) A recording apparatus according to claim 1, wherein in the case where a random access unit of said first video data comprises a plurality of frames and said dividing position does not coincide with a boundary of said random access unit, said boundary is forcedly made coincident with said dividing position.

9. (Canceled)

10. (Original) A recording apparatus according to claim 1, wherein the data which time-sequentially corresponds to said first video data comprises:

second video data which is the data based on said first video data and whose transmission rate is lower than that of said first video data;

audio data; and

meta data for said first video data.

11. (Original) A recording apparatus according to claim 10, wherein said division is executed at a boundary position of a unit in which random access of said second video data can be performed.

12. (Original) A recording apparatus according to claim 10, wherein said audio data is audio data which has been encoded by linear PCM or audio data which has been encoded by an encoding system other than linear PCM data, and said format change is a change between the audio data encoded by said linear PCM and said audio data encoded by the encoding system other than said linear PCM.

13. (Currently Amended) A recording method of recording first video data and data which time-sequentially corresponds to said first video data onto a disc-shaped recording medium, comprising:

detecting a change in at least one of the first video data, which is continuously supplied, and the data which is supplied to time-sequentially correspond to the first video data,

recording, wherein when the detector detects a change in format is detected in at least one of the first video data which is continuously supplied and the data which is supplied so as to time-sequentially correspond to said first video data, each of said first video data and said data which is supplied so as to time-sequentially correspond to said first video data is divided at a position corresponding to said change and recorded onto said disc-shaped recording medium
medium,

wherein, when a change in format is detected during recording the first video data or the data which is supplied to time-sequentially correspond to the said first video data, a new

directory is formed and recording of the data in the changed format is recorded in a file the newly formed directory, and

wherein mixture of different formats among the directories is permitted but the mixture of the different formats in the files stored in the new directory is not permitted.